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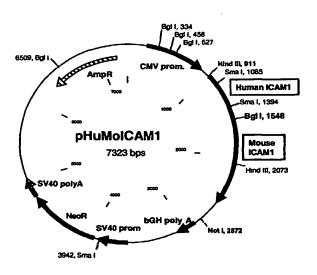
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[Continued on next page]

(54) Title: TRANSGENIC ANIMAL MODELS OF HRV WITH HUMANI ICAM-1 SEQUENCES

# Map of pHuMolCAM-1: (Human- Mouse chimeric ICAM1 cDNA in pcDNA3.1+)



(57) Abstract: A transgenic non-human animal whose genome comprises a polynucleotide encoding human ICAM-1 domains D1 and D2 and preferably encoding human ICAM-1 domains D1 and D2 and host non-human ICAM-1 domains D3, D4 and D5. Methods for the production of such transgenic animals, associated transgenes, constructs, vectors, and cells are disclosed. The transgenic non-human animal is a suitable model for studying human rhinovirus infection.





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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/00 A01K67/027 C07K14/705 C12N15/62 C12N5/10
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According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N A01K C07K G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data

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Y	page 3272, column 1, paragraph 5 	1-18	
X Furt	her documents are listed in the continuation of box C.  X Patent family members	are listed in annex.	

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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family		
Date of the actual completion of the international search	Date of mailing of the international search report		
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Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL - 2280 HV Rijswijk	Authorized officer		
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Chambonnet, F		

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Internation Polication No PCT/EP 03/07939

C/Continu	Name Programme College and a second s	PCT/EP 03/07939
Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT  Dategory * Citation of document, with indication where appropriate of the relevant passages.				
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INTERNATIONAL SEARCH REPORT

International application No. PCT/EP 03/07939

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 29 because they relate to subject matter not required to be searched by this Authority, namely:
As far as claim 29 is directed to a method of treatment of the animal body, the search has been carried out and based on the alleged effects of the compound/composition.
<ol> <li>Claims Nos.: because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:</li> </ol>
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
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Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.





information on patent family members

Internation pplication No
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